

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval	
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐			
Design ☐	☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐			
Doc/Data ☐	☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐			
Equip/Tooling ☐	☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐			
Handling/Pre ☐	☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐			
Material ☐	☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐			
Internal Transport ☐	☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐			
Tribal Knowledge ☐	☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐			
LOA ☐	☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐			
Substation ☐	☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐			
Past Expiry Date ☐	☐	Manufacturing Process ☐	OTHER :						
Misidentified ☐	☐	Past Due ☐							

Work Order ID 151292***151292***

Page 2

Tuesday, September 20, 2016 1:40:32 PM

Item ID: D3030-1

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Lock

Start Date: 9/20/2016 Start Qty: 8.00

8

Cust Item ID:

Required Date: 10/4/2016 Req'd Qty: 8.00

8

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

Identify as per dwg & Stock Location: ST015 0.00***130***

Packaging

Memo

0.01

Packaging

8xDAS
26
9-89

OCT 25 2016

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.13

Quality Control

16/10/26V/S 16/10/25
DAS
21
9-89

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				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Picklist Print

Tuesday, September 20, 2016 1:40:36 PM

Page 1

Work Order ID: 151292

151292

Parent Item: D3030-1

D3030-1

Parent Item Name: Lock

Start Date: 9/20/2016

Required Date: 10/4/2016

Start Qty: 8.00

Required Qty: 8.00

Comments: IPP: B 01.06.08 Removed chemical conversion EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
B83603-1		Purchased	No			110	Each	0.0000	1	8			
B83603-1									**				
Lock													

8x Sp/610-24

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

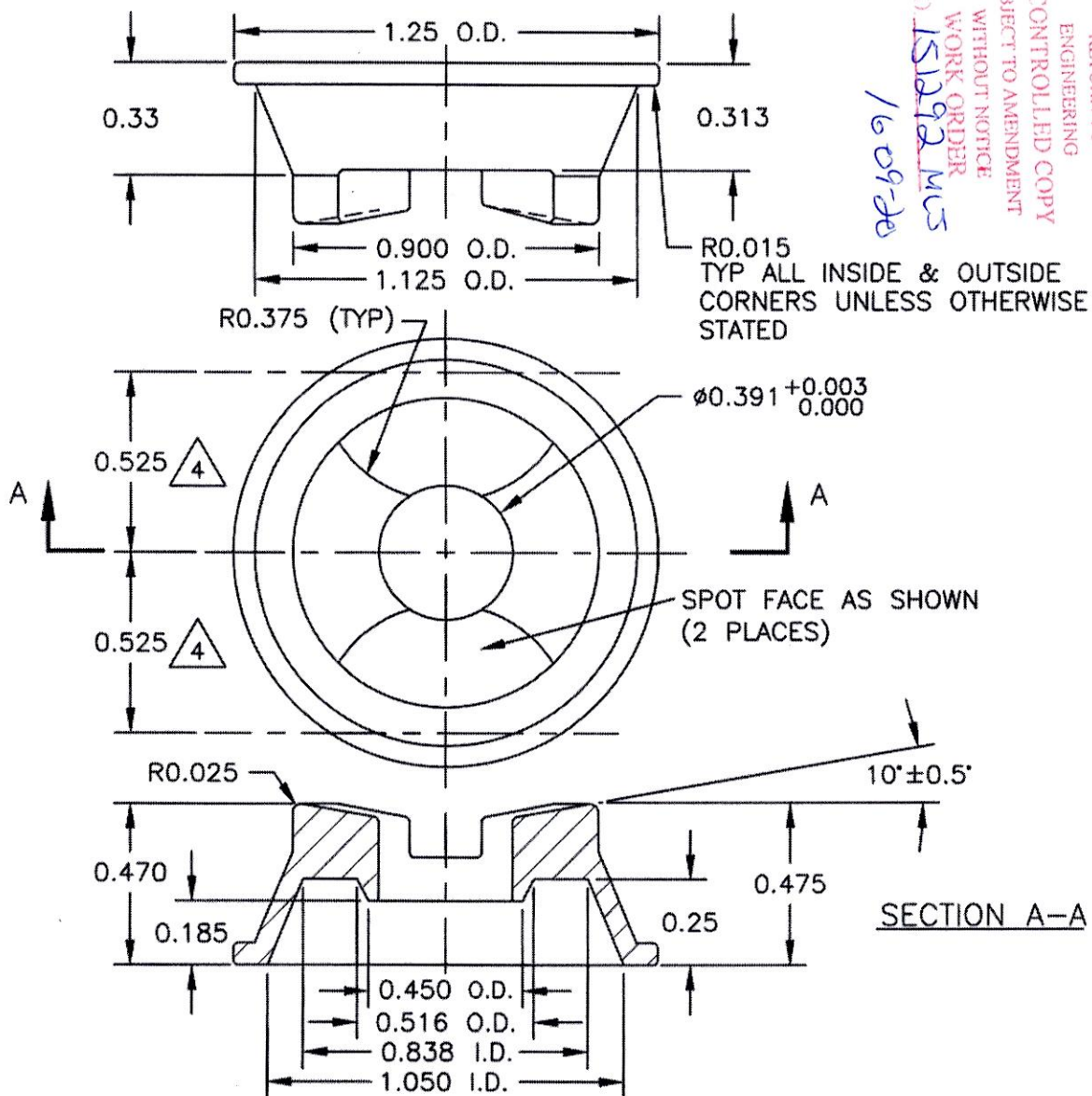
Work Order update only ☐

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<table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: left;">Root Cause</th> <th colspan="3" style="text-align: left;">FAULT CATEGORY</th> </tr> </thead> <tbody> <tr> <td>Environment ☐</td> <td>☐ No Re-verification</td> <td>☐ Pressure/Forced</td> <td>☐ Temperature/Cure</td> <td>☐ Power Loss/Surge</td> <td>☐ Positioned Wrong</td> </tr> <tr> <td>Design ☐</td> <td>☐ Operator</td> <td>☐ Bending</td> <td>☐ Set-up</td> <td>☐ Folio/Program</td> <td>☐ Outside Dimensions</td> </tr> <tr> <td>Doc/Data ☐</td> <td>☐ Offset/Setup</td> <td>☐ Centre Not Concentric</td> <td>☐ BOM/Route</td> <td>☐ Grain</td> <td>☐ Over/Under tolerance</td> </tr> <tr> <td>Equip/Tooling ☐</td> <td>☐ Supplier</td> <td>☐ Cracks</td> <td>☐ Broken/Damage/Defect</td> <td>☐ Weld</td> <td>☐ Part Incorrect</td> </tr> <tr> <td>Handling/Pre ☐</td> <td>☐ Training</td> <td>☐ Crimp/Kink/Ripple/Wave</td> <td>☐ Inspection Incomplete/Unqualified</td> <td>☐ Wrong Stock Pulled</td> <td>☐ Part Lost/Missing</td> </tr> <tr> <td>Material ☐</td> <td>☐ Use for Testing</td> <td>☐ Cuffs</td> <td>☐ Contamination</td> <td>☐ Out of Sequence</td> <td>☐ Part Moved</td> </tr> <tr> <td>Internal Transport ☐</td> <td>☐ Poor Information</td> <td>☐ Crushing</td> <td>☐ Countersink</td> <td>☐ Off-set</td> <td>☐ Drawing</td> </tr> <tr> <td>Tribal Knowledge ☐</td> <td>☐ Rushing</td> <td>☐ Heat Treat</td> <td>☐ Cut Too Short</td> <td>☐ Mislabeled</td> <td>☐ Finish</td> </tr> <tr> <td>LOA ☐</td> <td>☐ Product Improvement</td> <td>☐ Wave/Twist in Tube</td> <td>☐ Instructions Incomplete/Unclear</td> <td>☐ Fit/Function</td> <td>☐ Misread</td> </tr> <tr> <td>Substation ☐</td> <td>☐ Process Improvement</td> <td>☐ Marks/Chatter</td> <td>☐ Drill Holes</td> <td>☐ Misaligned/off center</td> <td>☐ Turning Sequence</td> </tr> <tr> <td>Past Expiry Date ☐</td> <td>☐ Manufacturing Process</td> <td colspan="4" rowspan="2" style="vertical-align: top;">OTHER : _____</td> </tr> <tr> <td>Misidentified ☐</td> <td>☐ Past Due</td> </tr> </tbody> </table>						Root Cause			FAULT CATEGORY			Environment ☐	☐ No Re-verification	☐ Pressure/Forced	☐ Temperature/Cure	☐ Power Loss/Surge	☐ Positioned Wrong	Design ☐	☐ Operator	☐ Bending	☐ Set-up	☐ Folio/Program	☐ Outside Dimensions	Doc/Data ☐	☐ Offset/Setup	☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance	Equip/Tooling ☐	☐ Supplier	☐ Cracks	☐ Broken/Damage/Defect	☐ Weld	☐ Part Incorrect	Handling/Pre ☐	☐ Training	☐ Crimp/Kink/Ripple/Wave	☐ Inspection Incomplete/Unqualified	☐ Wrong Stock Pulled	☐ Part Lost/Missing	Material ☐	☐ Use for Testing	☐ Cuffs	☐ Contamination	☐ Out of Sequence	☐ Part Moved	Internal Transport ☐	☐ Poor Information	☐ Crushing	☐ Countersink	☐ Off-set	☐ Drawing	Tribal Knowledge ☐	☐ Rushing	☐ Heat Treat	☐ Cut Too Short	☐ Mislabeled	☐ Finish	LOA ☐	☐ Product Improvement	☐ Wave/Twist in Tube	☐ Instructions Incomplete/Unclear	☐ Fit/Function	☐ Misread	Substation ☐	☐ Process Improvement	☐ Marks/Chatter	☐ Drill Holes	☐ Misaligned/off center	☐ Turning Sequence	Past Expiry Date ☐	☐ Manufacturing Process	OTHER : _____				Misidentified ☐	☐ Past Due
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DESIGN <i>CP</i>	DRAWN BY <i>CP</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3030	REV. A SHEET 1 OF 1
DATE 01.05.18		TITLE LOCK	SCALE 2:1
A	01.05.18	NEW ISSUE	

SPECIFICATION CONTROL DRAWING



NO. 151292 M5
1609-20
SHIP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER

D3030-1:

- 1) POSSIBLE SUPPLIER: NORTHERN AERO INDUSTRIES P/N B83603-1
- 2) MATERIAL: 2024-T351 (QQ-A-225/6)
- 3) ALL DIAMETERS CONCENTRIC WITHIN 0.005 T.I.R.
- 4) 0.010 MAX DIFF. BETWEEN 0.525 DIM EACH SIDE.
- 5) FINISH: ACID ETCH AND ALODINE PER DART QSI 005 4.1
- 6) ALL DIMENSIONS ARE IN INCHES
- 7) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

RELEASED
01.05.30

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		OTHER : ☐			



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO33754**

Purchase Order Date 9/23/2016 10:09:08 AM

PO Print Date 9/23/2016

Page Number 1 of 2

Order From :
B/E AEROSPACE
25 DUNLOP AVENUE
WINNIPEG, MB R2X 2V2

VU-ACS001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED

SEP 23 2016

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	204-772-9922	Customer POID	
		Customer Tax #	10127-2607
Ship To Contact		Terms	Net 30
Ship To Phone		Currency	USD
Ship Via:	FedEx Overnight collect	FOB	FCA - (Free Carrier)
Ship Acct:			

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
	Line Comments		Promise Date				
	Delivery Comments						
1	B83603-1	Lock	9/29/2016 Yes		8.00 Each	\$85.00	\$680.00
	AS PER DWG D3030 REV. A B151292		9/29/2016 10/19				
						Line Total:	\$680.00
3	B83605-1	SPRING	9/29/2016 Yes		20.00 Each	\$12.00	\$240.00
	AS PER DWG D3029 REV. A B151293		9/29/2016 10/19				
						Line Total:	\$240.00

Note:

9/23/2016



Passion to Innovate.
Power to Deliver.

AEROSPACE

B/E Aerospace Limited

25 Dunlop Avenue

R2X 2V2 Winnipeg

Canada

Tel : 204-783-5402

Fax : 204-783-5436

Packing Slip

Delivery No. : 7212
Delivery Date : 21/10/2016
SO No. : 36512
Your Reference : 33754
Delivery Method : FEDEX
Payment Condition : Net 30 Days

Delivery to: Dart Aerospace Ltd.

Attention: Chantal Lavoie

1270 Aberdeen Street

Hawkesbury K6A 1K7

Canada

Item	Description Batch Number	Total		Qty		Delivery Date
		Ordered	Unit	Delivered		
B83603-1 ✓	LOCK ✓ 16-4750	8	EA	8		25/10/2016
B83605-1	SPRING 15-3484 16-4540	20	EA	20		25/10/2016
CHANTAL LAVOIE 613 632 9577 SHIP VIA: FEDEX OVERNIGHT COLLECT clavoie@dartaero.com COC						
8/16-10-24.						
Packages: 0 Gross Weight: 0.00 Net Weight:						

Ordered by: Dart Aerospace Ltd.

Attention: Chantal Lavoie

1270 Aberdeen Street

Hawkesbury K6A 1K7

Canada

Invoice to: Dart Aerospace Ltd.

0.00

Attention: Accounts

1270 Aberdeen Street

Hawkesbury K6A 1K7

Canada

Remarks

Certification Statement

I hereby certify that the aircraft part(s) described hereon were acquired from a source of supply that is consistent with the conditions under which TCCA distributor approval AMO88-97 has been granted.

Signatory

Date:



Passion to Innovate.
Power to Deliver.

Page 1 of 1

Certificate of Compliance

Customer: Dart Aerospace Ltd.

Customer Order Number: 33754

Sales Order Number: 36512-1

Part Number: B83603-1

Description: Lock

Drawing / Revision Level: NC

Quantity: 8

Production Order: PR1600022227

Serial / Batch No.: 16-4750

JAS
38
2-89

Part Number: B83605-1

Description: Spring

Drawing / Revision Level: NC

Quantity: 20

Production Order: PR1500019095

Serial / Batch No.: (19) 15-3484, (1) 16-4540

PR1600022228

B/E Aerospace Limited hereby certifies that materials, work performed and quality meet the requirements stated on the Customer's Purchase Order(s) and/or drawing(s).

Notes / Comments:

Signature:

Name: Tim Sinclair

Date:

21 Oct 16

Form completed by: Jean Martin